

2004 Satellite Direct Readout Conference Program

Monday 6 December (1:00pm - 5:00pm)

- 10:00 – 1:00 Registration
- 1:00 – 1:15 Conference Welcome and Logistics, Opening Remarks and Introductions
Ms. Kathy Kelly, National Oceanic and Atmospheric Administration (NOAA)
Satellite and Information Service
- 1:15 – 1:45 Keynote Address
NOAA's Satellite Programs
Dr. Colleen Hartman, Deputy Assistant Administrator, NOAA Satellite and
Information Service
- 1:45 – 2:15 National Aeronautics and Space Administration (NASA's) Earth-Sun System
Science
Dr. Lucia Tsoussi, Deputy Director, Research and Analysis Program
Science Mission Directorate, NASA Headquarters
- 2:15 – 2:45 World Meteorological Organization (WMO) Space Program
Mr. Yashiro Tanaka, WMO Satellite Activity Office
- 2:45 – 3:00 Break and Exhibit Area (refreshments)

Session Chair: Barbara Banks, NOAA Satellite and Information Service

- 3:00 – 3:30 NOAA Geostationary Operational Environmental Satellite (GOES) and
Polar-orbiting Operational Environmental Satellite (POES) Overview
Ms. Kathy Kelly, NOAA Satellite and Information Service
- 3:30 – 4:00 European Organisation for the Exploitation of Meteorological Satellites
(EUMETSAT) Geostationary and Polar-orbiting Satellite Systems
Mr. Ken Ashworth, EUMETSAT
- 4:00 – 4:30 National Polar-orbiting Operational Environmental Satellite System
(NPOESS) Overview
Mr. John Cunningham, NPOESS Integrated Program Office
- 4:30 – 5:00 NOAA Direct Readout Program
Mr. Darrell Robertson, NOAA Satellite and Information Service
- 6:00 – 7:30 Welcome Reception at the Hilton Pool Deck (weather permitting)

Tuesday 7 December (8:30am – 5:00pm)

Theme: International Cooperation

8:00 – 8:30 Registration & Coffee

International Cooperation

Session Chair: Michael Hales, NOAA Satellite and Information Service

- 8:30 – 8:35 Welcome and Introduction of Keynote Speaker
Mr. Michael Hales, Acting Chief, Satellite Activities Branch, NOAA Satellite and Information Service
- 8:35 – 9:00 Keynote Address
International Coordination and Collaboration
Mr. Gregory W. Withee, Assistant Administrator, NOAA Satellite and Information Service
- 9:00 – 9:30 WMO's Integrated Global Data Dissemination Service (IGDDS)
Mr. Yashiro Tanaka, WMO Satellite Activity Office
- 9:30 – 9:45 WMO's Region III
Ms. Beatriz Lesa, Representing the President of WMO Regional Association III
- 9:45 – 10:00 WMO Region V
Mr. Shih Lai Woon, President, WMO Regional Association V
- 10:00 – 10:15 Ingest and Processing of NOAA AVHRR Data at CONAE's Cordoba Ground Station Facility
Dr. Marcelo Colazo, Director, Cordoba Ground Station, CONAE
- 10:15 – 10:30 Break and Exhibit Area (refreshments)
- 10:30 – 11:00 Frequency Spectrum Management
Dr. David McGinnis, NOAA Satellite and Information Service
- 11:00 – 11:15 Overview of University Corporation for Atmospheric Research (UCAR) / National Center for Atmospheric Research (NCAR) Relative to Outreach Activities
Dr. Tim Spangler, UCAR
- 11:15 – 11:30 UCAR COMET Program – International Satellite Training
Dr. Tim Spangler - UCAR
- 11:30 – 11:45 Cooperative Institute for Meteorological Satellite Studies (CIMSS) VISITview Satellite Training
Dr. Tom Whittaker, CIMSS University of Wisconsin
- 11:45 – 12:00 Group for Earth Observation (GEO)
Mr. Francis Bell, The GEO Quarterly
- 12:00 – 1:00 Lunch Break
- 1:00 – 1:15 The Rise and Fall of Amateur Direct Reception of Weather Satellites
Mr. Dave Cawley, Remote Imaging Group
- 1:15 – 1:30 The Use of NOAA data at the Mexican National Meteorological Service
Mr. José Carrasco, Chief, Remote Sensing Project, National Meteorological Service, Mexico

- 1:30 – 1:45 The Use of NOAA Data at the Argentine National Meteorological Service
Captain Mauricio Saldivar, Chief, Meteorological Remote Sensing Division,
National Meteorological Service, Argentina
- 1:45 – 2:00 Health and Satellites, Using Space Information in Epidemiology
Dr. Marcelo Scavuzzo, Teofilo Tabanera Space Center, CONAE
- 2:00 – 2:15 Break and Exhibit Area (refreshments)
- 2:15 – 3:45 Panel on Global Coordination of Environmental Satellite and Data Use
Panel Chair: Ms. Kathy Kelly, NOAA Satellite and Information Service
Members: Ms. Sandra Cauffman, Mr. Mauricio Saldivar, Ms. Vilma Castro,
Mr. Ken Ashworth
- 3:45 – 4:00 Use of Satellite Direct Readout in the South Pacific
Dr. Colin Schulz, Telecommunications Consultant, South Pacific Regional
Environment Programme
- 4:00 – 4:15 The Role of Satellite Data in the Meteorological Service of Canada
Mr. Arne Alfheim, Canadian Meteorological Center, Environment Canada
- 4:15 – 4:30 Operational Meteorological Satellites Products in CPTEC / INPE, Brazil.
Dr. Luis Machado, Director, Satellite Division, CPTEC, INPE, Brazil
- 4:30 – 4:45 The Automatic Generation of Synthetic IA Images
Dr. Daniel F. Barrera, University of Buenos Aires
- 4:45 – 5:00 Argos Data Collection System (DCS)
Mr. Bill Woodward, President, Service Argos, Inc.
- 5:15 – 7:00 SPECIAL SESSION ON TECHNOLOGY – Mr. Frank Eng, Computer Sciences Corporation**
- 7:00 – 8:00 Vendor sponsored Live Direct Readout Demonstrations at the Hilton Pool Deck
(weather permitting)

Wednesday 8 December (8:30am – 5:00pm)

Theme: Polar Systems

- 8:00 – 8:30 Registration & Coffee
- 8:30 – 8:35 Welcome and Introduction of Keynote Speaker
Mr. Carl Hoffman, NPOESS Integrated Program Office
- 8:35 – 9:00 Keynote Address
From TIROS and DMSP to NPOESS – the Evolution from Weather Observing to Global Environmental Monitoring
Mr. John D. Cunningham, NPOESS Integrated Program Office

Current Polar-orbiting Systems and Applications

Session Chair: Mr. Tom Schott, NOAA Satellite and Information Service

- 9:00 – 9:15 Overview of POES Programs
Mr. Tom Schott, NOAA Satellite and Information Service
- 9:15 – 9:30 Current POES Status
Ms. Cynthia Hampton, NOAA Satellite and Information Service
- 9:30 – 9:45 Polar-orbiting Product Applications
Mr. David Benner, NOAA Satellite and Information Service
- 9:45 – 10:00 Updating the ATOVS and AVHRR Pre-Processing Package (AAPP) for future Polar-Orbiting satellites
Mr. Nigel Atkinson, United Kingdom Meteorological Office
- 10:00 – 10:15 A University Ground Receiving Station and Software Decoder for NOAA POES Real-time Direct Broadcast Beacon Transmissions on Distinct Frequencies Unrelated to the Widely Received APT VHF Transmissions
Dr. D. M. Klumpp, Montana State University
- 10:15 – 10:30 Break and Exhibit Area (refreshments)

International Cooperation - EUMETSAT Polar System and International Applications

Session Chair: Mr. Ken Ashworth, EUMETSAT

- 10:30 – 10:45 EUMETSAT Polar System (EPS) and the Initial Joint Polar-orbiting Operational Satellite System (IJPS)
Mr. Ken Ashworth, EUMETSAT
- 10:45 – 11:00 EPS Services and ATOVS Retransmission Service
Ms. Sally Wannop, EUMETSAT
- 11:00 – 11:15 EPS Satellite Instruments and Data
Mr. Jose Prieto, EUMETSAT
- 11:15 – 11:30 Initial Joint Polar-orbiting System (IJPS) NOAA-N Launch
Mr. Tom Schott, NOAA Satellite and Information Service
- 11:30 – 11:45 Comparative Research Between NOAA and Feng Yun Satellite Images for Determining the Salado River Runoff – Argentina
Mr. Carlos G. Cotlier, Universidad Nacional de Rosario, Argentina
- 11:45 – 12:00 Utilization of ATOVS data in Numerical Weather Prediction at CPTEC
Ms. Elizabeth Silvestre Espinoza, Centro de Previsão de Tempo e Estudos Climáticos, Brazil

- 12:00 – 1:00 Lunch Break
- 1:00 – 2:30 Special Session on NOAA Low Rate Information Transmission (LRIT) – Mr. Frank Eng, CSC
Concurrent Session in Breakout Room**
- Transition from Research to Operations – Earth Observing System (EOS) (Terra, Aqua), NPP, and Polar-orbiting Satellite Training***
Session Chair: Mr. Patrick Coronado, NASA Goddard Space Flight Center
- 1:00 – 1:15 NASA Polar-orbiting Satellite Applied Sciences
Dr. Ronald J. Birk, NASA, Science Mission Directorate
- 1:15 – 1:30 Generating Satellite Climate Data Records over Canadian Landmass
Dr. Rasim Latifovic, Canadian Center for Remote Sensing
- 1:30 – 1:45 NOAA Unique Products from AIRS, IASI and CrIS and Near-Real-Time MODIS/AIRS Data Distribution
Dr. Mitch Goldberg, NOAA Satellite and Information Service
- 1:45 – 2:00 International MODIS/AIRS Processing Package Products and Applications
Ms. Kathleen Strabala, Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison
- 2:00 – 2:15 NPP - The NPOESS/EOS Bridge Mission
Mr. Peter Wilczynski, NPOESS Integrated Program Office
- 2:15 – 2:30 NPP In-Situ Ground System – Bridging Direct Readout Technologies Between EOS, NPP, and the Future
Mr. Patrick Coronado, NASA Goddard Space Flight Center
- 2:30 – 3:00 Break and Exhibit Area (refreshments)
- Future Polar-orbiting Systems – NPOESS***
Session Chair: Mr. John Cunningham, NPOESS Integrated Program Office
- 3:00 – 3:15 NPOESS-Global Data for the Global Observation System
Dr. John M. (Mike) Haas, NPOESS Integrated Program Office
- 3:15 – 3:30 NPOESS Direct Readout Mission
Mr. John Overton, NPOESS Integrated Program Office
- 3:30 – 3:45 Polar-Orbiting Satellite Direct Broadcast Processing Package for Real-time, Regional Weather and Environmental Monitoring and Applications – An Overview
Dr. Hung-Lung (Allen) Huang, Cooperative Institute for Meteorological Satellite Studies, University of Wisconsin-Madison
- 3:45 – 4:00 UCAR/COMET NPOESS Userport – On-line Training for NPOESS
Dr. Tim Spangler, UCAR/COMET
- 4:00 – 4:15 A Preview of Forecaster Imaging Applications from NPOESS
Mr. Arunas Kuciauskas, Research Laboratory, Monterey, CA
- 4:15 – 5:00 Facilitated Discussion of User Needs for Direct Readout from Polar-orbiting Satellites - DeVaney-Wong International
- 5:15 – 7:15 ***Special Session on the GOES Data Collection System (DCS):
Ms. Kay Metcalf (Main Ballroom)***

Thursday 9 December (8:30am – 5:00pm)

Theme: GEO Systems

- 8:00 – 8:30 Registration & Coffee
- 8:30 – 8:40 Welcome and Introduction – Mr. Gary Davis, NOAA Satellite and Information Service
- 8:40 – 9:00 Keynote Address:
Brigadier General (USAF retired) David L. Johnson
Assistant Administrator, NOAA National Weather Service
- Current and Near-Term GOES - Session Chair: Mr. David Benner, NOAA Satellite and Information Service***
- 9:00 – 9:15 Current GOES Status
Ms. Cynthia Hampton, NOAA Satellite and Information Service
- 9:15 – 9:30 Products and Applications
Mr. George Serafino, NOAA Satellite and Information Service
- 9:30 – 9:45 Expected GOES N, O, P Performance
Mr. Tim Schmit, NOAA Satellite and Information Service
- 9:45 – 10:00 WEFAX to LRIT Transition
Mr. Jeff Manning, CSC
- 10:00 – 10:15 Emergency Manager's Weather Information Network (EMWIN)
Mr. Bill Johnson, NOAA National Weather Service
- 10:15 – 10:30 Break and Exhibit Area (refreshments)
- 10:30 – 12:00 **Current and Near-Term GOES** (*Facilitated Discussion*)
Information Fair with Expert Stations
DeVaney-Wong International
- 12:00 – 1:00 Lunch Break
- 1:00 – 2:30 Special Session on EMWIN – Mr. Bill Johnson, NOAA NWS
Mr. Angelo Wade, NOAA Satellite and Information Service
Concurrent session in Breakout room**

GOES User Readiness – Session Chair: Mr. Gerald Dittberner, NOAA Satellite and Information Service

- 1:00 – 1:20 The GOES R Satellite
Mr. Gary Davis, NOAA Satellite and Information Service
- 1:20 – 1:35 GOES R Program Review
Mr. Steve Kirkner, NOAA Satellite and Information Service
- 1:35 – 1:50 GOES R Instruments
Mr. James Gurka, NOAA Satellite and Information Service
- 1:50 – 2:05 GOES R Products
Mr. Tim Schmit, NOAA Satellite and Information Service
- 2:05 – 2:20 CIMSS Outreach activities – GOES R Specific
Ms. Margaret Mooney, CIMSS, University of Wisconsin

2:20 – 2:35	Services, applications, dissemination – EUMETSAT Meteosat Mr. José Prieto, EUMETSAT
2:35 – 2:50	Analysis of the 2003-04 burning season in southeast Mexico through a contextual fire detection algorithm based on GOES Imagery. Mr. Martin J. Montero-Martinez – Mexican Institute of Water Technology
2:50 – 3:15	Break and Exhibit Area (refreshments)
3:15 – 5:00	<i>Facilitated Multi-Group Discussion on GOES User Readiness</i> DeVaney-Wong International
6:00 – 8:00	Conference Banquet (on site) Special Showing of “Hurricane Summer” - A National Geographic Film Dinner Speakers: Dr. Lixion Avila, Dr. Christopher Landsea, National Hurricane Center

Friday 10 December (8:30am - 1:00pm)
Theme: Global Earth Observation System of Systems

8:00 – 8:30 Registration & Coffee

Session Chair: Mr. Gary Davis, NOAA Satellite and Information Service

8:30 – 8:45 Opening Remarks and Introductions
Mr. Gary Davis, NOAA Satellite and Information Service

8:45 – 9:15 Future of Global Environmental Observation Systems
Brigadier General (USAF retired) John (Jack) J. Kelly, Deputy Under Secretary
Of Commerce for Oceans and Atmosphere

9:15 – 9:30 NOAAPORT
Mr. Bill Brockman, Short and Associates, Inc.

9:30 – 9:45 FX-Net for Data Dissemination
Ms. Sher Schranz, NOAA Research

9:45 – 10:15 NOAA Proposed Alternative Dissemination Methods (ADM) for
Environmental Data and the Multi-Constellation User Terminal (MCUT)
Mr. Marlin Perkins, NOAA Satellite and Information Service

10:15 – 10:30 Break and Exhibit Area (refreshments)

10:30 – 11:45 Facilitated Discussion
DeVaney-Wong International

11:45 – 12:00 Closing Remarks
Mr. Darrell Robertson, Mr. Eric Madsen, NOAA Satellite and Information Service

12:00 Conference Closes